



## CMF / CRF Details

**CMF ID: 1410**

**Add 3-inch yellow retroreflective sheeting to signal backplates**

**Description:**

**Prior Condition:** *No Prior Condition(s)*

**Category:** Intersection traffic control

**Study:** [\*Safety Impact of Increased Traffic Signal Backboards Conspicuity, Sayed et al., 2005\*](#)

**Star Quality Rating:**



[\[View score details\]](#)

### Crash Modification Factor (CMF)

**Value:** 0.85

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

0.005

### Crash Reduction Factor (CRF)

<b>Value:</b>	15 ( <i>This value indicates a <b>decrease</b> in crashes</i> )
<b>Adjusted Standard Error:</b>	
<b>Unadjusted Standard Error:</b>	0.5

Applicability	
<b>Crash Type:</b>	All
<b>Crash Severity:</b>	All
<b>Roadway Types:</b>	Not specified
<b>Number of Lanes:</b>	
<b>Road Division Type:</b>	
<b>Speed Limit:</b>	
<b>Area Type:</b>	Urban
<b>Traffic Volume:</b>	
<b>Time of Day:</b>	All
<i><b>If countermeasure is intersection-based</b></i>	
<b>Intersection Type:</b>	Roadway/roadway (not interchange related)
<b>Intersection Geometry:</b>	
<b>Traffic Control:</b>	Signalized
<b>Major Road Traffic Volume:</b>	

<b>Minor Road Traffic Volume:</b>	
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Development Details	
<b>Date Range of Data Used:</b>	
<b>Municipality:</b>	
<b>State:</b>	
<b>Country:</b>	
<b>Type of Methodology Used:</b>	Before/after using empirical Bayes or full Bayes
<b>Sample Size Used:</b>	Sites
<b>Before Sample Size Used:</b>	17 Sites
<b>After Sample Size Used:</b>	17 Sites

Other Details	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	07-30-2010
<b>Comments:</b>	

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